

Amendments To The Claims:

This listing of claims will replace all prior claim lists in this application.

Listing of Claims:

1. (Currently amended) A plated magnetic film comprising Co and Fe, wherein the plated magnetic film comprises columnar crystals extending in a film thickness direction, wherein a plurality of the columnar crystals are provided side-by side adjacent to one another in a film surface direction with grain boundaries extending in the film thickness direction therebetween and separating the columnar crystals.
2. (Cancelled)
3. (Original) The magnetic film according to Claim 1, wherein a compositional ratio of Fe is 50% to 85% by weight.
4. (Original) The magnetic film according to Claim 1, wherein a compositional ratio of Fe is 50% to 81.5% by weight.
5. (Original) The magnetic film according to Claim 1, wherein a compositional ratio of the Fe is 60% to 72% by weight.
6. (Original) The magnetic film according to Claim 1, wherein an average crystal particle diameter of the plated magnetic film is 200 angstroms or less.
7. (Original) The magnetic film according to Claim 1, wherein a center line average roughness Ra of a film surface of the plated magnetic film is 2.5 nm or less.
8. (Currently amended) A thin film magnetic head comprising a lower core layer, an upper core layer and a magnetic pole portion located between the lower core layer and the upper core layer, wherein the magnetic pole portion has a width dimension in a track-width direction less than that of the lower core layer and the upper core layer,

wherein the magnetic pole portion comprises one of a) a lower magnetic pole layer adjacent the lower core layer, an upper magnetic pole layer adjacent the upper core layer and a gap layer located between the lower magnetic pole layer and the upper magnetic pole layer, or b) an upper magnetic pole layer adjacent the upper core layer and a gap layer located between the upper magnetic pole layer and the lower core layer,

wherein one or both of the upper magnetic pole layer and the lower magnetic pole layer comprises a plated magnetic film comprising Co and Fe, wherein the plated magnetic film further comprises a columnar crystals extending in a film thickness direction, and

wherein a plurality of the columnar crystals are provided side by side adjacent to one another in a film surface direction with grain boundaries extending in the film thickness direction therebetween and separating the colunar crystals, and

wherein a center line average roughness (Ra) of a film surface of the plated magnetic film is 2.5 nm or less.

9. (Previously presented) The plated magnetic film according to Claim 8, wherein an average crystal particle diameter of the plated magnetic film is 200 angstroms or less.

10. (Cancelled)

11. (Currently amended) The plated magnetic film of ~~claim 8~~ claim 1, wherein the columnar crystals comprise a succession of plated microcrystals.

12. (Previously presented) The plated magnetic film of claim 8, wherein the plated magnetic film comprises an organic acid-plated magnetic film.

13. (Previously presented) The plated magnetic film of claim 12, wherein the organic acid comprises malonic acid.

14. (Previously presented) The plated magnetic film of claim 12, wherein the organic acid comprises one of oxalic acid, succinic acid, maleic acid, and tartaric acid.

15. (Previously presented) The plated magnetic film of claim 12, wherein a substantial portion of the Fe in the organic acid-plated magnetic film comprises Fe having a +2 oxidation state.

16. (Previously presented) The plated magnetic film of claim 8, wherein the plated magnetic film comprises a substantially sulfur-free, electro-plated magnetic film.

17. (Previously presented) The plated magnetic film of claim 16, wherein the substantially sulfur-free, electro-plated magnetic film comprises a pulse-current induced array of successive overlying plated microcrystal layers.

18. (Previously presented) The plated magnetic film of claim 8, wherein the columnar crystals comprise overlying plated microcrystal layers.

19. (Currently amended) The plated magnetic film of claim 18, wherein the ~~columnar crystals in the overlying plated microcrystal layers are positioned between grain boundaries of the plated magnetic film~~ comprise layers having a body centered cubic (bcc) crystal structure.

20. (New) The thin film magnetic head of claim 8, wherein the magnetic pole portion comprises an upper magnetic pole layer adjacent the upper core layer and a gap layer located between the upper magnetic pole layer and the lower core layer, and wherein the gap layer comprises a NiP plated film.

21. (New) The magnetic film according to Claim 1, wherein the plated magnetic film comprises a film having 60% to 90% by weight Fe and a coercive force (He) of no more than about 15 Oe.

22. (New) The magnetic film according to Claim 1, wherein the plated magnetic film comprises a film having 60% to 72% by weight Fe and a coercive force (He) of no more than about 10 Oe.

23. (New) The magnetic film according to Claim 1, wherein the plated magnetic film comprises a film having 60% to 72% by weight Fe and a film stress of no more than about 1000 MPa.

24. (New) The magnetic film according to Claim 1, wherein the plated magnetic film comprises a film having a specific resistance of at least about 20 $\mu\Omega\cdot\text{cm}$.